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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Jeffrey T. Fanton et al.

Appln. No.: 10/132,959

Filed: April 26, 2002

For: STAGE ROTATION SYSTEM TO  
IMPROVE EDGE MEASUREMENTS

Group Art: 2882

Examiner: Unknown

**POWER OF ATTORNEY BY  
ASSIGNEE**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

THERMA-WAVE, INC., assignee of the entire right title and interest in the above-identified application by assignment dated April 30, 2002, which assignment was recorded in the Patent and Trademark Office on June 19, 2002, at Reel 12989, frame 116, hereby appoints the members of the firm of STALLMAN & POLLOCK LLP, a firm composed of:

Michael A. Stallman	29,444	Kathleen A. Frost	37,326
Michael J. Pollock	29,098	Brian J. Keating	39,520

as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

STALLMAN & POLLOCK LLP  
Attn: Michael A. Stallman  
121 Spear Street, Suite 290  
San Francisco, CA 94105

Telephone: (415) 512-1312  
Facsimile: (415) 512-1362

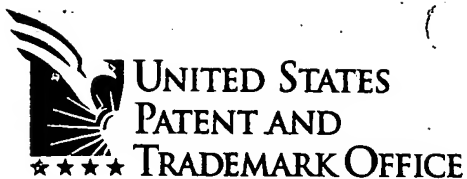
Dated: 8/26/02

THERMA-WAVE, INC.

By: Martin Schwartz

Name: Martin Schwartz

Title: President and Chief Executive Officer



AUGUST 15, 2002

STALLMAN & POLLOCK LLP  
MICHAEL A. STALLMAN  
121 SPEAR STREET, SUITE 290  
SAN FRANCISCO, CA 94105

PTAS RECEIVED

AUG 22 2002

STALLMAN &amp; POLLOCK LLP

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/19/2002

REEL/FRAME: 012989/0116  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
FANTON, JEFFREY T.

DOC DATE: 04/30/2002

ASSIGNOR:  
UHRICH, CRAIG

DOC DATE: 04/30/2002

ASSIGNEE:  
THERMA-WAVE, INC.  
1250 RELIANCE WAY  
FREMONT, CALIFORNIA 94539

✓  
SERIAL NUMBER: 10132959  
PATENT NUMBER:

FILING DATE: 04/26/2002  
ISSUE DATE:

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

06-19-2002



cket No.: TWI-14310

HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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102126712

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Jeffrey T. Fant n  
Craig Uhrich

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: April 30, 2002

2. Name and address of receiving party(ies):

Name: THERMA-WAVE, INC.

Internal Address: 1250 Reliance Way

Street Address: 1250 Reliance Way

City: Fremont State: CA ZIP: 94539

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

10/132,959

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: STALLMAN & POLLOCK LLP

Internal Address: Attn: Michael A. Stallman

Street Address: 121 Spear Street, Suite 290

06/18/2002 APR 18 2002 00000087 10132959

01 FC:581 40.00 OP  
City: San Francisco State: CA ZIP: 94105

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1703

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Michael A. Stallman (Reg. No. 29,444)

Name of Person Signing

Signature

June 5, 2002

Date

Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT

WHEREAS, WE, Jeffrey T. Fanton and Craig Uhrich, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: STAGE ROTATION SYSTEM TO IMPROVE EDGE MEASUREMENTS

Application (Declaration/Oath) Execution Date: April 30, 2002

Filing Date: April 26, 2002

Application No.: 10/132,959

WHEREAS, THERMA-WAVE, INC., a corporation of the State of Delaware, 1250 Reliance Way, Fremont, CA 94539 hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 4/30/02

Jeffrey T. Fanton  
Jeffrey T. Fanton

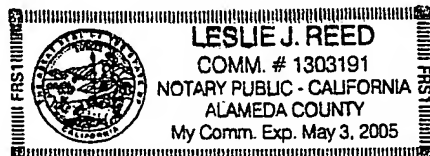
State of California  
County of Alameda

On April 30, 2002 before me, LESLIE J. REED, NOTARY  
personally appeared JEFFREY T. FANTON personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed  
Signature of Notary

SEAL



IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 4/30/02

Craig Uhrich  
Craig Uhrich

State of California

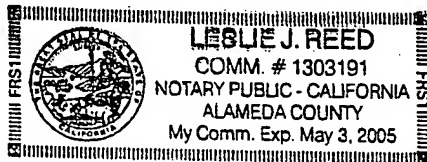
County of Alameda

On April 30, 2002 before me, LESLIE J. REED, NOTARY  
personally appeared CRAIG UHRICH personally known to me or proved to me on the  
basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and  
acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed  
Signature of Notary

SEAL



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jeffrey T. Fanton  
Craig Uhrich

6-14-02

2. Name and address of receiving party(ies):

Name: THERMA-WAVE, INC.

Internal Address: 1250 Reliance Way

Street Address: 1250 Reliance Way

City: Fremont State: CA ZIP: 94539

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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☒ Assignment

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☐ Security Agreement

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☐ Other \_\_\_\_\_

Execution Date: April 30, 2002

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10/132,959

B. Patent No.(s)

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Michael A. Stallman (Reg. No. 29,444)

Name of Person Signing

Signature

June 5, 2002

Date

Total number of pages including cover sheet, attachments, and document: **3**

ASSIGNMENT

WHEREAS, WE, Jeffrey T. Fanton and Craig Uhrich, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: STAGE ROTATION SYSTEM TO IMPROVE EDGE MEASUREMENTS

Application (Declaration/Oath) Execution Date: April 30, 2002

Filing Date: April 26, 2002

Application No.: 10/132,959

WHEREAS, THERMA-WAVE, INC., a corporation of the State of Delaware, 1250 Reliance Way, Fremont, CA 94539 hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 4/30/02

Jeffrey T. Fanton  
Jeffrey T. Fanton

State of California

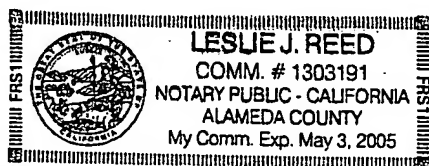
County of Alameda

On April 30, 2002 before me, LESLIE J. REED, NOTARY  
personally appeared JEFFREY T. FANTON personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed  
Signature of Notary

SEAL





IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 4/30/02

Craig Uhrich  
Craig Uhrich

State of California

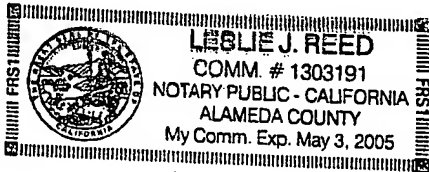
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signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed  
Signature of Notary

SEAL



## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## STAGE ROTATION SYSTEM TO IMPROVE EDGE MEASUREMENTS

the specification of which (check one) ☐ is attached hereto or ☒ was filed on April 26, 2002 as Application No. 10/132,959 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			Priority Claimed	
			Yes	No
Number	Country	Day/Month/Year Filed	<input type="checkbox"/>	<input type="checkbox"/>
Number	Country	Day/Month/Year Filed	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. § 119(3) of any United States provisional application(s) below:

<u>60/298,711</u>	<u>June 15, 2001</u>
Application Number	Filing Date
Application Number	Filing Date
Application Number	Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

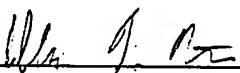
Application Number	Filing Date	Status: Patented, Pending, Abandoned
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Application Number	Filing Date	Status: Patented, Pending, Abandoned
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Application Number	Filing Date	Status: Patented, Pending, Abandoned
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeffrey T. Fanton

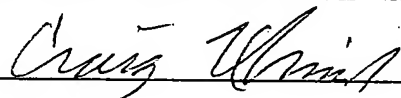
Inventor's signature  4/30/02  
Date

Residence 670 Cuesta Drive, Los Altos, CA 94024

Citizenship U.S.A.

Post Office Address 670 Cuesta Drive, Los Altos, CA 94024

Full name of second joint inventor, if any, Craig Uhrich

Inventor's signature  4/30/02  
Date

Residence 202 Rutherford Avenue, Redwood City, CA 94061

Citizenship U.S.A.

Post Office Address 202 Rutherford Avenue, Redwood City, CA 94061